

Memorandum



CITY OF DALLAS

DATE August 12, 2010

TO Trinity River Corridor Project Committee Members:

David A. Neumann (Chairman)	Carolyn R. Davis
Steve Salazar (Vice-Chair)	Vonciel Jones Hill
Mayor Pro Tem Dwaine Caraway	Delia Jasso
Deputy Mayor Pro Tem Pauline Medrano	Linda Koop

SUBJECT **Periodic Inspection Report No. 9
Maintenance Deficiency Correction Period (MDCP) July 2010 Update**

As of July 31, 2010, the City has completed 178 of the 198 items in the MDCP plan which is the action plan staff submitted to the U.S. Army Corps of Engineers (Corps) to address the O&M deficiencies in the levee system as described in the Periodic Inspection Report No. 9 (PI #9). Attached are the items remaining to be completed.

In addition, the Tree Removal contract is out for bids, and bids will be received and opened on August 12. This project is anticipated for award of construction by City Council on September 8, 2010. If you have additional questions, please let me know.

Jill A. Jordan, P.E.
Assistant City Manager



THE TRINITY
DALLAS

c: Honorable Mayor and Members of the City Council
Mary K. Suhm, City Manager
Ryan S. Evans, First Assistant City Manager
A. C. Gonzalez, Assistant City Manager
Forest E. Turner, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Deborah A. Watkins, City Secretary
Thomas P. Perkins, Jr., City Attorney
Craig D. Kinton, City Auditor
Judge C. Victor Lander
Helena Stevens-Thompson, Assistant to the City Manager
Frank Libro, Director, Public Information Office
Kelly High, Director, Trinity Watershed Management
Rebecca Rasor, P.E., Managing Director, Trinity River Corridor Project

Maintenance Deficiency Correction Period Report July 2010

ID No.	Rated Item	Overall Rating	Levee/ Structure	Template Section	Remark Rating	Location/ Remarks/ Recommendations	Correction Plan	Est. Date to Be Addressed
130	Encroachments	U	West Levee	Embankment	U	Sta. 253+70 had gas line crossing levee (not streamlined).	The owner will be requested to provide documentation (permits, authorization, & design documentation) to the Corps	Sep-10
140	Encroachments	U	WWTP	Embankment	U	84" Emergency outfall control valve (east corner levee system) and 2 control valves (south corner area levee system) are on the levee crest.	There are multiple encroachments in the levee at the CWWTP. The Corps indicated in their PI No. 9 explanation that they are unauthorized & there is no documentation of District Engineer review or authorization. These city utility encroachments pre-date the levees themselves which were reconstructed by the City in the early 1990's & were incorporated into the federal Dallas Floodway System in 1996. Because the encroachments were part of the original design plans and the levees were constructed before they became part of the federal system, there were not any permits or District Engineer review during the design/construction phase. Based on the Corps Sept. 30, 2009 comments, that these encroachments should be treated as other unacceptable encroachment and should be remedied accordingly, the City will obtain the necessary approvals for these encroachments	Aug-10
192	Encroachments	U	WWTP	Embankment	U	Other lines under levee: 84" emergency outfall (120" dia. & 48" dia.), 66" dia. plant outfall (emergency use), 10'x10' main double box culvert outlet, 84" dia. waste water gravity main line, 60" dia. waste water gravity line, abandoned outfall and numerous other utilities under levee to be identified	There are multiple encroachments in the levee at the CWWTP. The Corps indicated in their PI No. 9 explanation that they are unauthorized & there is no documentation of District Engineer review or authorization. These city utility encroachments pre-date	Aug-10
002	Unwanted Vegetation Growth	U	System	Embankment	Obs	A survey of areas where trees were within 50 feet of levee toes needs to be conducted in the future. (Trees at Sta. 473+90, 524+25)	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study
054	Encroachments	U	East Levee	Interior Drainage	Obs	Trees growing around levee toe sumps.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study

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ID No.	Rated Item	Overall Rating	Levee/ Structure	Template Section	Remark Rating	Location/ Remarks/ Recommendations	Correction Plan	Est. Date to Be Addressed
227	Unwanted Vegetation Growth	U	East Levee	Embankment	U	Sta. 147+70 - had tree growing on the river side levee toe.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study
228	Unwanted Vegetation Growth	U	East Levee	Embankment	U	Sta. 473+90, 524+25, & 1-30 - Trees within 50 feet of levee toes.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study
205	Unwanted Vegetation Growth	U	Rochester	Embankment	U	Large trees within 50 feet of landside levee toe.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study
123	Unwanted Vegetation Growth	U	West Levee	Embankment	U	Sta. 350+00, 371+50, 376+50, and near HWY 30 had trees within 50 feet of levee toes.	Trees will be removed using established Corps procedure.	To be addressed as part of Corps' System Study
212	Erosion/ Bank Caving	M	Rochester	Embankment	M	Sta. 87+00 – Area of erosion gullies (60'L x 10'W x 18"D) on the west side slope of the pump house.	Erosion gully will be repaired using established levee slide repair procedure.	Sep-10
088	Erosion/ Bank Caving	M	East Levee	Flood Damage Reduction Channel	M	Sta. 161+00 had right side of river bank failing into the channel in the flood plain.	Source of erosion is under investigation and bank will be repaired using established corps. procedures.	Routine Maint.
218	Plant Building	M	Rochester	Pump Station	M	There was soil erosion at the right side of the inlet and erosion (6'L x 2'W x 10"D) behind the right wing wall of the pump house intake for the Rochester Pump Station.	Soil erosion will be repaired using established levee slide repair procedure.	Sep-10
233	Riprap Revetments & Banks	U	East Levee	Flood Damage Reduction Channel	U	Erosion of the bank toward the levee at Belleview Pressure Conduit.	Design is underway to install a riprap blanket and reinforced toe wall to protect the bank andn the toe of the levee agains scour events up to & including the 100-year flood	Oct-10
080	Shoaling (sediment deposition)	U	East Levee	Flood Damage Reduction Channel	U	Shoaling with established vegetation was causing the diversion of the channel into the levee at Belleview Pressure Conduit.	Design is underway to install a riprap blanket and reinforced toe wall to protect the bank andn the toe of the levee agains scour events up to & including the 100-year flood	Oct-10

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081	Encroachments	M	East Levee	Flood Damage Reduction Channel	M	East Levee Sta. 157+50 & West Levee Sta. 141+80 had construction equipment in the flood plain.	Construction equipment for MHH Bridge.	Dec-10
239	Culverts/Discharge Pipes		System		U	Condition of pipes, culverts or conduits has not been verified by television camera video taping or visual inspection within the past 5 years, and reports were not available for review. All pipes, culverts or conduits should be adequately inspected (as previously described) by CoD and results should be provided to SWF.	The City regularly performs video inspections of all the conduits within the city using CCTV. However, to satisfy this PI item, the City has prepared an inspection schedule for determining the condition of the city's culvert and discharge pipes within the Floodway System. The city will provide the information found in these inspections in a report form to Corps as the inspections are completed. The City will keep a log of the inspections completed to date. The City has provided this strategy to the Corps and approval from the Corps is pending,	Aug-10
009	Encroachments	U	East Levee	Embankment	M	Sta. 286+80 have fiber optic line crossing over levee (not streamlined).	Items 009 and 011 refer to the same fiber optic line encroachment. Both encroachments should be streamlined in accordance with SWFP 1150-2-1, Section 5.	Sep-10
010	Encroachments	U	East Levee	Embankment	M	Sta. 364+60 have fiber optic line crossing over levee (not streamlined).	Encroachments should be streamlined in accordance with SWFP 1150-2-1,	Sep-10
011	Encroachments	U	East Levee	Embankment	M	Sta. 286+95 had fiber optic line crossing over levee.	Items 009 and 011 refer to the same fiber optic line encroachment. Both encroachments should be streamlined in accordance with SWFP 1150-2-1, Section 5.	Sep-10
056	Fencing and Gates	A	East Levee	Interior Drainage	Obs	ATVs gaining unauthorized access.	Those locations where unauthorized access is occurring will be closed.	Routine Maint.